

CLAIMS

What is claimed is:

1. A floor suction tool for electric vacuum cleaners comprising:
a suction opening formed on a bottom face of a main body casing ;
5 a cover defining a front wall of the main body casing; and
an abutting member projecting from a front face of the cover and
functioning as a bumper between a front face of the main body casing
and a wall,
wherein the cover is rotatably supported on a rotation axis
10 formed horizontally in a direction of width of the front wall of the main
body casing,
the cover rotates upward to open the front face of the main body
casing when a front-to-back force acts on the abutting member, and
the cover rotates downward to close the front face of the main
15 body casing when the front-to-back force ceases.
2. The floor suction tool according to claim 1, wherein the abutting
member comprises a rotatable roller.
3. The floor suction tool according to claim 1, wherein at least a
surface of the abutting member is formed of a soft, smooth material.
- 20 4. The floor suction tool according to claim 2, wherein an outer
surface of the roller is covered with a soft, smooth material.
5. The floor suction tool according to claim 3, wherein the soft,
smooth material is a fibrous material.
6. The floor suction tool according to claim 4, wherein the soft,
25 smooth material is a fibrous material.
7. The floor suction tool according to claim 5, wherein the fibrous
material is a raising cloth.
8. The floor suction tool according to claim 6, wherein the fibrous
material is a raising cloth.
- 30 9. The floor suction tool according to claim 1, wherein the cover

opens the front face of the main body casing by rotating along an inside face of an upper case of the main body casing and being received in the upper case.

10. The floor suction tool according to claim 1 further comprising, in
5 the main body casing, a rotary brush having bristles fixed thereto radially, wherein the rotary brush is so formed that the tips of the bristles projects forward in relation to a trajectory of the cover when the cover opens.

11. The floor suction tool according to claim 1, wherein the cover is
10 constructed to receive a spring force in a closing direction by a spring member attached to the rotation axis.

12. The floor suction tool according to claim 1, wherein the cover is so constructed that the own weight of the cover acts as a force in a closing direction.

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